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Application Number	10/763,883
Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/KS/		4550081	10-29-1985	Stocker	
		4530901	7-23-1985	Weissman	
		4440859	04-09-1984	Rutter	
		4582800	04-15-1986	Crowl	
		4677063	06-30-1987	Mark	
		4704362	11-03-1987	Itakura	
		4710463	12-01-1987	Murray	
		4766075	09-23-1988	Goeddel	
		4757006	07-12-1988	Toole	
		4810648	03-07-1989	Stalker	
		4837151	06-06-1989	Stocker	
		5356797	10-18-1994	Nielsen	
		5397697	03-14-1995	Lam	
		5210035	5-11-1993	Stocker	
		5643579	07-01-1997	Hung	
		6251406	06-26-2001	Haeffliger	
		6458368	10-01-2002	Haeffliger	
		6585975	01-07-2003	Kleanthous	
		6756042	6-29-2004	Feldman	
/KS/		6846667	01-25-2005	Crooke	

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/KS/		6936425	08-30-2005	Hensel	
↓		6951732	10-04-2005	Clarke	
		6984490	01-10-2006	Holden	
		7211264	05-01-2007	Feldman	
		7449178	11-11-2008	Crooke	
		20040203039	10-14-2004	Hensel	
		20060216309	09-28-2006	Holden	
		20080075739	03-27-2008	Hensel et al.	
/KS/		20080175866	07-24-2008	Holdon	

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/KS/		WO 9220805	11-26-1992	PF Medicament		
↓		WO 9310246	05-27-1993	University of Texas		
		WO 9411024	05-26-1994	Univ. Minnesota		
		WO 9611708	04-25-1996	University of Texas		
		WO 9718225	05-22-1997	Gen. Hospital Corp.		
/KS/		WO 9806428	02-19-1998	UAB Research Foundation		

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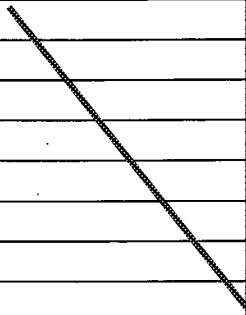
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/KS/		WO 9835562	08-20-1998	Merck & Co Inc.		
		EP 0889120	01-07-1999	Imp College Innovations		
		WO 9945120	09-01-1999	Biotech&Biolog Scien Res		
		WO 9901473	01-14-1999	Imp College Innovations		
		WO 0014240	03-16-2000	Creatogen Biosciences		
		WO 03044047	05-30-2003	London School of Hygiene		
		WO 0132697	05-10-2001	Unite de Rech en Biol Molecu		
/KS/		WO 0185772	11-15-2001	Microscience Ltd.		

NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/KS/		ABAEV, et al. (1997) "Stable expresion of heterologous proteins in Salmonella: Problems and approaches to their designing," Vestn. Ross Akad Med Nauk 6:48-52 ABSTRACT ONLY	No
		AGRAWAL and GOODCHILD (1987) "Oligodeoxynucleotide methylphosphonate: synthesis and enzymatic degradation." Tetrahedron Letters, 28:3536-3542	
		AGRAWAL and TANG (1990) "Efficient synthesis of oligoribonucleotide and its phosphorothioate analogue using H-Phosphonate Approach," Tetradhedron Letters, 31:7541-7544	
		AGRAWAL (1998) "Oligodeoxynucleoside phosphoramidates and phosphorothioates as inhibitors of human immunodeficiency virus," PNAS 85:7079-7083	
		AGRAWAL (1990) "Site-specific excision from RNA by RNase H and mixed phosphate-backbone oligodeoxyribonucleotides." PNAS 87:1401-1405	
/KS/		AGRAWAL et al. (1991) "Pharmacokinetics, biodistribution and stability of oligodeoxynucleotide phosphorothioates in mice," PNAS, 88:7595-7599	

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/KS/		ALLAOUI, et al. (1993) "MxiD, an outer membrane protein necessary for the secretion of Shigella flexneri lpa invasins," Mol. Microbiol., 7:59-68	
		ALTMAYER, et al. (1993) "Cloning and molecular characterization of gene involved in Salmonella adherence and invasion of cultured epithelial cells," Mol. Microbiol., 7:89-98.	
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		BENSON and GOLDMAN (1992) "Rapid mapping in Salmonella typhimurium with Mud-P22 prophages," J. Bacteriol. 175:1673-1681	
/KS/		BODDIKCE, et al. (2006) "Signature-tagged mutagenesis of Klebsiella pneumoniae to identify genes that influence biofilm formation on extracellular matrix material," Infect. Immun. 74:4590-4597	

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/KS/		BOGDANOVE, et al. (1996) "Unified nomenclature for broadly conserved hrp genes of phytopathogenic bacteria," Mol. Microbiol. 20:681-683	
		BOURGOGNE, et al. (1998) "Salmonella abortusovus strain RV6, new vaccinal vehicle for small ruminants," Vet. Microbiol. 61:199-213 ABSTRACT ONLY	
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		CARDENAS, et al. (1993) "Stability, immunogenicity and expression of foreign antigens in bacterial vaccine vectors," Vaccine 11:122-125 ABSTRACT ONLY	
		CARDENAS, et al. (1992) "Oral administration using live attenuated Salmonella spp. as carriers of foreign antigens," Clin. Microbiol. Rev. 5:328-342	
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		CHACON, et al. (1996) "Heterologous expression of the citric glutathione peroxidase of lymphatic filariae in an attenuated vaccine strain of Salmonella typhimurium abrogates H-2 restriction of specific antibody response," Parasite Immunol. 18:307-316 ABSTRACT ONLY	
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/KS/		CHARLES, et al. (1990) "Gene expression on the development of live enteric vaccines," Trends Biotechnol. 8:117-121 ABSTRACT ONLY	
		CHATFIELD, et al (1992) "Construction of a genetically defined Salmonella typhi Ty2 aro A, aroC mutain for the engineering of a candidate oral typhoid-tetanus vaccine," Vaccine 10:53-60	
		CHATFIELD, et al. (1994) "The use of live attenuated Salmonella for oral vaccination," Dev. Biol. Stand. 82:35-42	
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		CHATFIELD, et al. (1995) "The development of oral vaccines against parasitic diseases utilizing live attenuated <i>Salmonella</i> ," Paristology 110Suppl.:S17-S24	
		CHATFIELD, et al. (1989) "Live Salmonella vaccines and carriers of foreign antigenic determinants," Vaccine 7:495-498	
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/KS/		CLEMENTS (1990) "Vaccines against enterotoxigenic bacterial pathogens based on hybrid Salmonella that express heterologous antigens," Res. Microbiol. 141:981-993. ABSTRACT ONLY	

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/KS/		COHEN, et al. (1990) "Microbial isopenicillin N synthase genes: structure, function, diversity and evolution," Trends in Biotechnol. 8:105-111	
		COLLAZO, et al. (1995) "Functional analysis of the Salmonella typhimurium invasion genes invI and invJ and identification of a target of the protein secretion apparatus encoded in the inv. locus," Mol. Microbiol. 15:25-38	
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/KS/		DE LORENZO and TIMIS (1994) "Analysis of stable phenotypes in gram negative bacteria with Tn5 and Tn10-derived minitransposons," Methods Enzymol. 235:386-405	

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Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

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/KS/		DEGROOTE, et al (1997) "Periplasmic superoxide dismutase protects Salmonella from products of phagocyte NADPH-oxidase and nitric oxide synthase," PNAS 94:13997-14001	
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Application Number	10/763,883
Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

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/KS/		KUWAJIA, et al. (1989) "Export of N-terminal fragment of Escherichia coli flagellin by a flagellum-specific pathway," PNAS, 86:4953-4957	
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**INFORMATION DISCLOSURE
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Application Number	10/763,883
Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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Application Number	10/763,883
Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

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Examiner Name	Khatol S. Shahnan
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Application Number	10/763,883
Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

NON PATENT LITERATURE DOCUMENTS

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Attorney Docket Number	EMER-003/02US

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Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

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Filing Date	January 23, 2004
First Named Inventor	Michael HENSEL
Art Unit	1645
Examiner Name	Khatol S. Shahnan
Attorney Docket Number	EMER-003/02US

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